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Specification

10 1. Title of the invention

Solar battery module

2. Claim

A solar battery module comprising a plurality of solar battery cells sealed
15 in a transparent resin, wherein spacers are disposed between the cells.

3. Detailed description of the invention

(Field of industrial application)

The present invention relates to a solar battery module for power
20 generation comprising a plurality of solar battery cells sealed in a
transparent resin.

(Prior art)

In general, the solar battery module for power generation is made in such
a manner that a commonly-called matrix comprising a plurality of solar
25 battery cells electrically connected in series, in parallel, or in series-parallel

in series-parallel to form a matrix and then the matrix is sealed by the resin.

(Example)

Next, the present invention is described by reference to an example.

FIG. 1 is a sectional view showing a general outline of one embodiment of
5 the present invention. In FIG. 1, a glass plate 3 is disposed on a
photo-receiving surface side, and spacers 4 made of transparent material
having elasticity, e.g. silicon rubber, are disposed between the solar battery
cells 1, 1, ... arranged along a surface of the glass plate, followed by being
sealed by a transparent resin 2.

10 (Effect of the invention)

In the solar battery module of the present invention, since the spacers
are disposed between the cells to put a limit on the displacement of the cells
caused in the transparent resin sealing operation, overlap or contact of
adjoining solar battery cells with each other caused by the displacement of
15 the cells in the resin sealing operation is prevented, thus providing the effect
of improved manufacturing yields.

4. Brief description of the drawing

FIG. 1 is a sectional view showing a general outline of one example of the
20 present invention. FIG. 2 is a sectional view of a conventional solar battery
module. FIG. 3 is a sectional view for explaining the displacement of a
solar battery element.

1: Solar battery cell,

2: Sealing resin,

3 Glass plate,

4: Spacer.